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Amendments to the Claims:

Claims 1-37 are pending in this application. Claims 1, 24 and 35 have been amended as follows:

1 (currently amended) A method of call queuing notification 2 implemented in a telecommunications advanced intelligent network, the method 3 comprising: 4 receiving a call to access a subscriber line; 5 determining that the subscriber line is busy; 6 placing the subscriber line access call in a queue associated with the 7 subscriber line, the queue implemented within the telecommunications network; and 8 placing a separate call to the subscriber indicating status of the queued 9 subscriber line access call. 1 2. (original) A method of call queuing notification as in claim 1 2 further comprising determining that the subscriber has requested call notification 3 before placing the separate call indicating queued subscriber line access call status. 1 3. (original) A method of call queuing notification as in claim 1 2 wherein placing the separate call indicating queued subscriber line access call status 3 is based on information about the received call. 1 4. (original) A method of call queuing notification as in claim 1 2 wherein the queue is maintained in an intelligent peripheral. 5. (original) A method of call queuing notification as in claim 4 1 2 wherein the intelligent peripheral is operative to call the subscriber and provide caller 3 identification information.

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1 6. (original) A method of call queuing notification as in claim 1 2 wherein the separate call indicating queued subscriber line access call status is placed 3 through a paging system. 1 7. (original) A method of call queuing notification as in claim 1 2 further comprising receiving at least one command from the subscriber in response 3 to placing the separate call indicating queued subscriber line access call status. 1 8. (original) A method of call queuing notification as in claim 7 wherein the command connects the queued call to the subscriber over a line used to 2 3 place the separate call. 1 9. (original) A method of call queuing notification as in claim 7 wherein the command moves the queued call to the front of the queue. 1 10. (original) A method of call queuing notification as in claim 1 2 wherein the separate call is placed substantially when the call to the subscriber is 3 queued. 1 11. (original) A method of call queuing notification as in claim 1 2 wherein the separate call is placed based on a length of time that the call to the 3 subscriber is queued. 12. (original) A method of call queuing notification as in claim 1 1 2 wherein the separate call is placed based on a number of calls queued. 1 13. (original) A system for call queue notification implemented in an 2 Advanced Intelligent Network (AIN) having at least one central office switch and a 3 service control point in electrical communication with a plurality of subscriber

switches via a signaling network, the system comprising an intelligent peripheral in

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- electrical communication with the central office switch and the service control point, the intelligent peripheral equipped with queuing functionality for each subscriber, the intelligent peripheral operative to place a first call to the central office switch for receipt by a subscriber having a call placed in queue, the call placed in response to a determination that a line associated with the subscriber is idle, the intelligent
- 10 peripheral further operative to place a second call providing status information to the
- subscriber about at least one queued call.
- 1 14. (original) A system for call queue notification as in claim 13 2 wherein the intelligent peripheral is further operative to determine that the subscriber 3 has requested call notification before placing the separate call indicating queued 4 subscriber line access call status.
- 1 15. (original) A system for call queue notification as in claim 13 2 wherein the intelligent peripheral places the second call based on information about 3 at least one queued call.
- 1 16. (original) A system for call queue notification as in claim 13 wherein the status information comprises caller identification information.
 - 17. (original) A system for call queue notification as in claim 13 wherein the second call is placed through a paging system.
- 1 18. (original) A system for call queue notification as in claim 13 2 wherein the intelligent peripheral is further operative to receive at least one command 3 from the subscriber in response to placing the second call.
- 1 19. (original) A system for call queue notification as in claim 18 wherein the command connects a queued call to the subscriber over a line used to place the second call.

| 1 | 20. (original) A system for call queue notification as in claim 18 |
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| 2 | wherein the command moves a queued call to the front of the queue. |
| 1 | 21. (original) A system for call queue notification as in claim 13 |
| 2 | wherein the second call is placed substantially when the call to the subscriber is |
| 3 | queued. |
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| 1 | 22. (original) A system for call queue notification as in claim 13 |
| 2 | wherein the second call is placed based on a length of time that a call to the |
| 3 | subscriber is queued. |
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| 1 | 23. (original) A system for call queue notification as in claim 13 |
| 2 | wherein the second call is placed based on a number of calls queued. |
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| 1 | 24. (currently amended) A method for notifying a subscriber of |
| 2 | queued call status, the call placed from a caller to a subscriber line, the call processed |
| 3 | by an Advanced Intelligent Network (AIN) having at least one cental office switch |
| 4 | and a service control point (SCP) in electrical communication with a plurality of |
| 5 | subscriber switches via a signaling network, the method comprising: |
| 6 | providing an intelligent peripheral in electrical communication with the |
| 7 | at least one cental office switch and the SCP, the intelligent peripheral equipped with |
| 8 | queuing functionality; |
| 9 | receiving a first call to access a subscriber line; |
| 10 | determining that the subscriber line is busy; |
| 11 | queuing the first call in the intelligent peripheral; and |
| 12 | placing a second call from the intelligent peripheral to the subscriber |
| 13 | indicating status of the queued first call. |

| 1 | 25. (original) A method for notifying a subscriber of queued call |
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| 2 | status as in claim 24, the method further comprising: |
| 3 | monitoring the subscriber line to notify the SCP when the line is idle; |
| 4 | placing a third call from the intelligent peripheral to the subscriber in |
| 5 | response to a determination that the subscriber line is idle; |
| 6 | forwarding answer supervision to the intelligent peripheral in response |
| 7 | to the third call being answered by the subscriber; and |
| 8 | transferring and connecting the subscriber and the caller at the central |
| 9 | office switch. |
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| 1 | 26. (original) A method for notifying a subscriber of queued call |
| 2 | status as in claim 24, the method further comprising: |
| 3 | monitoring call signaling to detect a termination attempt trigger; |
| 4 | launching a query at the SCP for receipt by the intelligent peripheral |
| 5 | requesting the queue status of the subscriber line in response to the detected |
| 6 | termination attempt trigger; |
| 7 | forwarding the first call to the intelligent peripheral to be added to the |
| 8 | queue in response to a determination that the queue is active; |
| 9 | delivering the first call to the subscriber and setting a next event list |
| 10 | trigger to determine the status of a subscriber line in response to a determination that |
| 11 | the queue is empty; |
| 12 | connecting the first call to the subscriber line in response to a |
| 13 | determination that the line is idle; and |
| 14 | forwarding the first call to the intelligent peripheral to be placed in |
| 15 | queue in response to a determination that the subscriber line is busy. |
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| 1 | 27. (original) A method for notifying a subscriber of queued call |
| 2 | status as in claim 24 wherein placing the second call is based on information about |
| 3 | the first call. |

- 1 28. (original) A method for notifying a subscriber of queued call 2 status as in claim 24 wherein the second call from the intelligent peripheral indicating 3 status of the queued first call is placed to a paging system. 1 29. (original) A method for notifying a subscriber of queued call 2 status as in claim 24 further comprising receiving at least one command from the 3 subscriber in response to placing the second call. 1 30. (original) A method for notifying a subscriber of queued call 2 status as in claim 29 wherein the command connects the queued first call to the 3 subscriber over a line used to place the second call. 1 31. (original) A method for notifying a subscriber of queued call 2 status as in claim 29 wherein the command moves the queued first call to the front 3 of the queue. 1 32. (original) A method for notifying a subscriber of queued call 2 status as in claim 24 wherein the second call is placed substantially when the first call 3 is queued. 1 33. (original) A method for notifying a subscriber of queued call 2 status as in claim 24 wherein the second call is placed based on a length of time that 3 the first call is queued. 1 34. (original) A method for notifying a subscriber of queued call 2 status as in claim 24 wherein the second call is placed based on a number of calls in 3 the queue holding the first call.
- 1 35. (currently amended) For use in an Advanced Intelligent Network 2 (AIN) equipped with termination attempt trigger (TAT) capability, the AIN having

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| 3 | at least one central office switch and a service control point (SCP) in electrical |
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| 4 | communication with a plurality of subscriber switches via a signaling network, a |
| 5 | method of notification about queuing of a telephone call from a caller to a subscriber |
| 6 | telephone line comprising: |
| 7 | providing an intelligent peripheral in electrical communication with the |
| 8 | central office switch and the SCP, the intelligent peripheral equipped with queuing |
| 9 | functionality for each of the subscribers; |
| 10 | monitoring signaling to detect a TAT trigger; |
| 11 | generating a first electrical signal for receipt by the SCP in response |
| 12 | to the detected TAT trigger; |
| 13 | generating a second electrical signal at the SCP for receipt by the |
| 14 | intelligent peripheral requesting status of a queue associated with the subscriber line; |
| 15 | generating a third electrical signal at the SCP for receipt by the |
| 16 | subscriber switch instructing the subscriber switch to forward the call to the |
| 17 | intelligent peripheral to be added to the queue in response to a determination that the |
| 18 | queue is active; and |
| 19 | placing a call from the intelligent peripheral to a subscriber subscribing |
| 20 | to the subscriber telephone line indicating status of the queued call. |
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| 1 | 36. (original) The method of claim 35 wherein the AIN is further |
| 2 | equipped with Next Event List (NEL) functionality, the method further comprising: |
| 3 | generating a fourth electrical signal at the SCP for receipt by the |
| 4 | subscriber switch instructing the subscriber switch to deliver the call to the subscriber |
| 5 | and to set a NEL to determine the status of the subscriber line in response to a |
| 6 | determination that the queue is empty; and |
| 7 | connecting the call to the subscriber line in response to a determination |
| 8 | that the subscriber line is idle. |
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37. (original) The method of claim 35 further comprising:

| 2 | generating a fifth electrical signal at the subscriber switch for receipt |
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| 3 | by the SCP in response to a determination that the subscriber line is busy; |
| 4 | generating a sixth electrical signal at the SCP for receipt by the |
| 5 | subscriber switch instructing the subscriber switch to forward the call to the |
| 6 | intelligent peripheral to be placed in the queue; |
| 7 | generating a seventh electrical signal at the SCP for receipt by the |
| 8 | subscriber switch instructing the subscriber switch to set a monitor on the subscriber |
| 9 | line and to notify the SCP when the line is idle; |
| 10 | generating an eighth electrical signal at the subscriber switch for |
| 11 | receipt by the SCP in response to a determination that the subscriber line is idle; |
| 12 | generating a ninth electrical signal at the SCP for receipt by the |
| 13 | intelligent peripheral instructing the intelligent peripheral to call the subscriber via |
| 14 | the central office switch; |
| 15 | generating a tenth electrical signal at the central office switch for |
| 16 | receipt by the intelligent peripheral to forward answer supervision to the intelligent |
| 17 | peripheral in response to the call being answered by the subscriber; and |
| 18 | generating an eleventh electrical signal at the intelligent peripheral for |
| 19 | receipt by the central office switch to transfer and connect the subscriber and the |
| 20 | caller at the central office switch. |